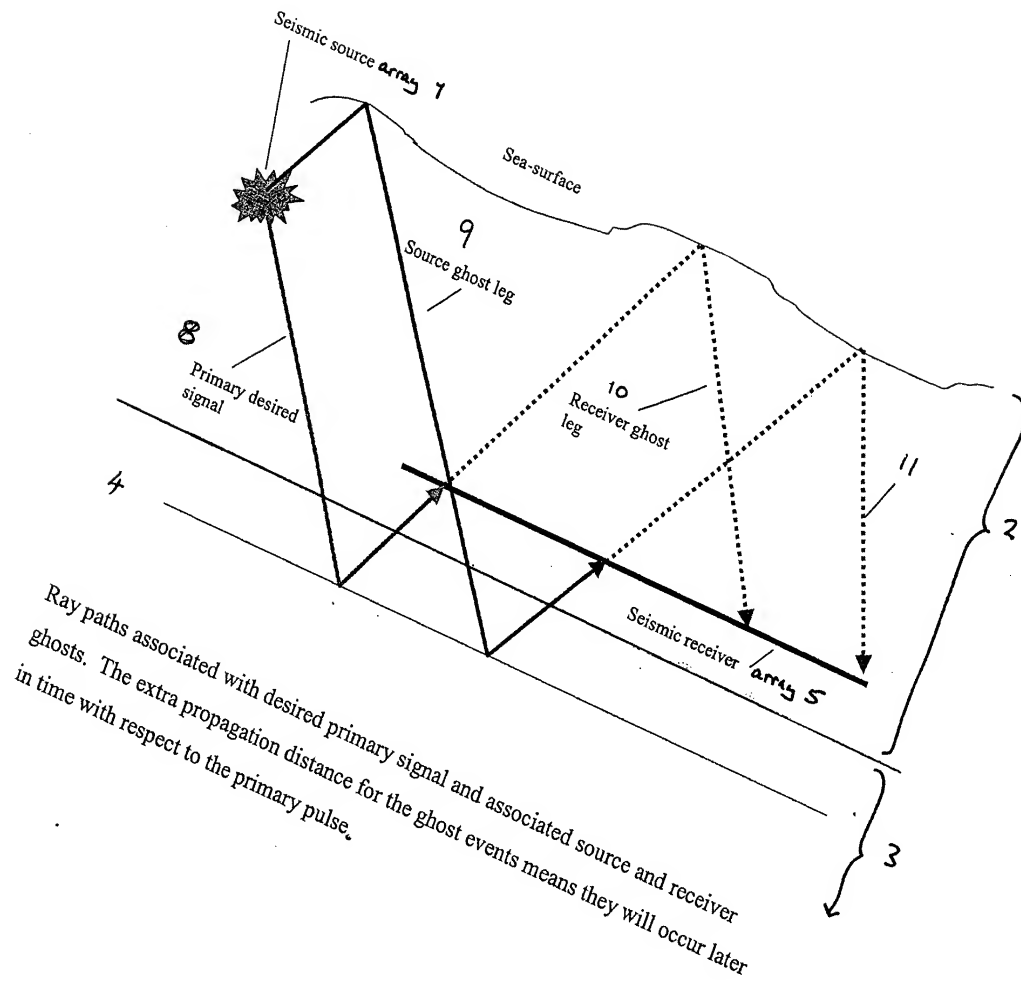
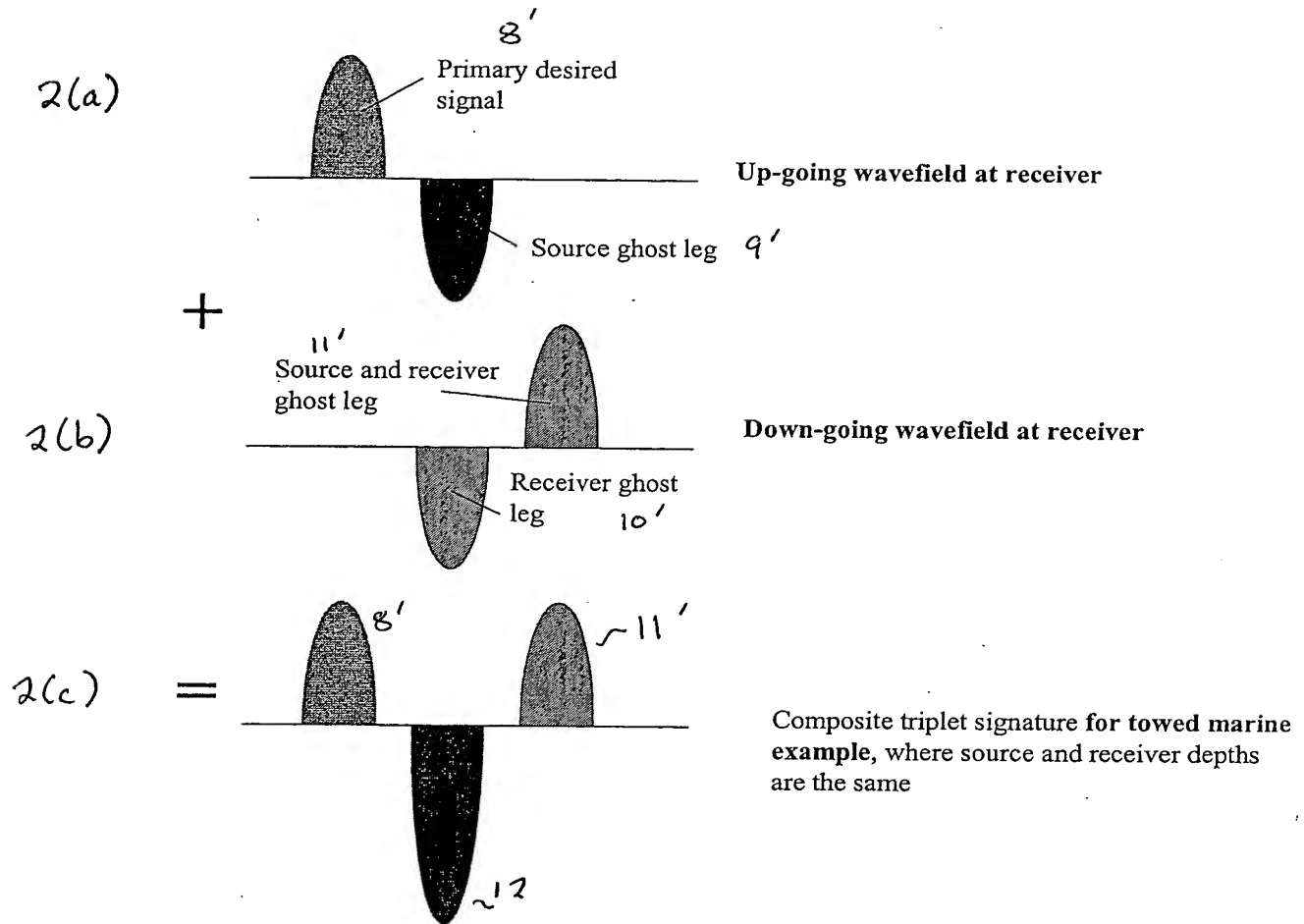


Figure 1

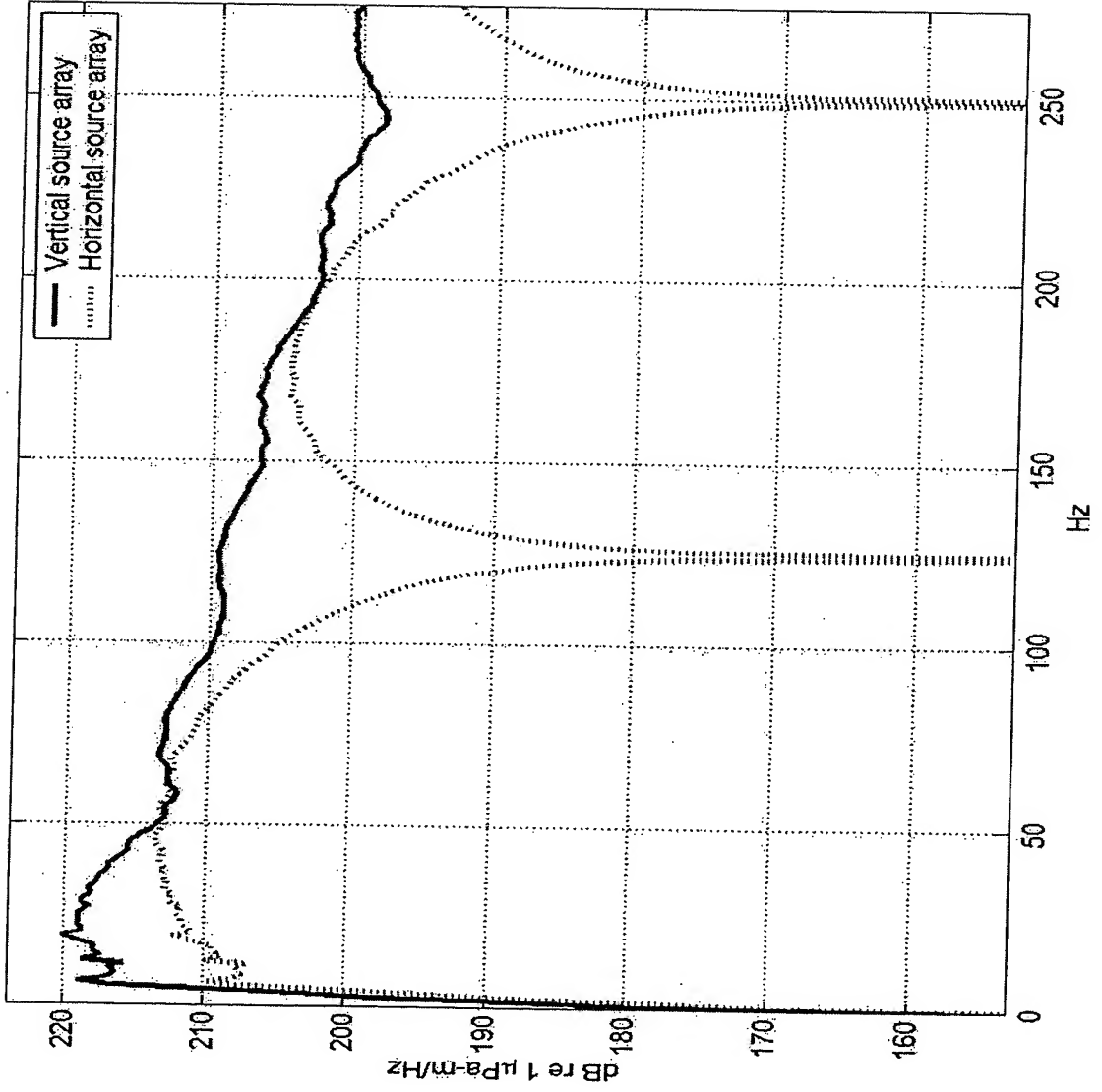


Figures 2(a) – 2(c)



The construction of a towed marine seismic signature from the primary pulse and associated, undesired ghost events.

Figure 3



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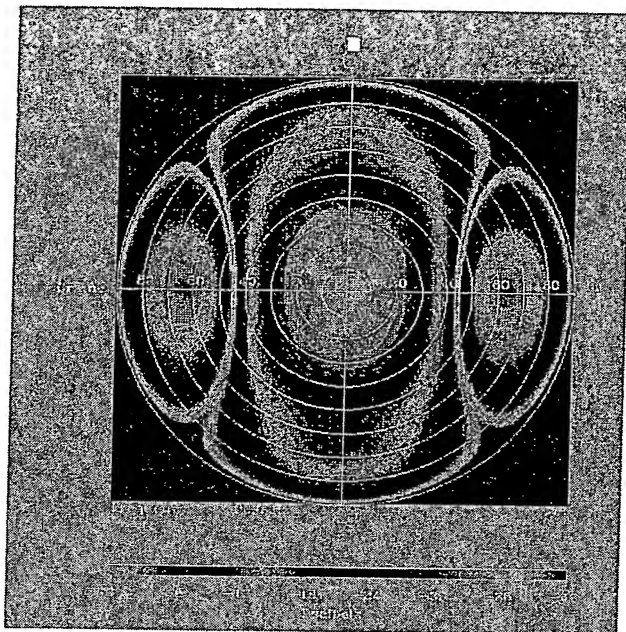


Figure 4(a)

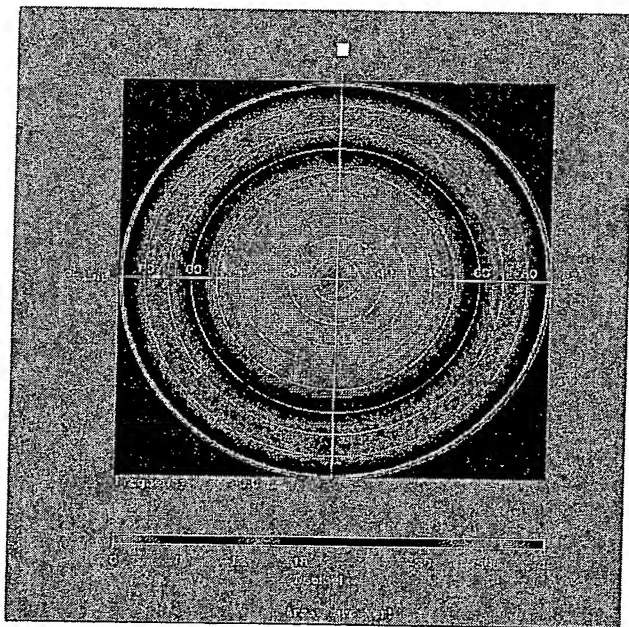


Figure 4(b)

Source directivity: Conventional array upper (Fig 4(a)) and Notchless array lower (Fig 4(b)).

PZ Combination : Sub-Salt Gulf of Mexico

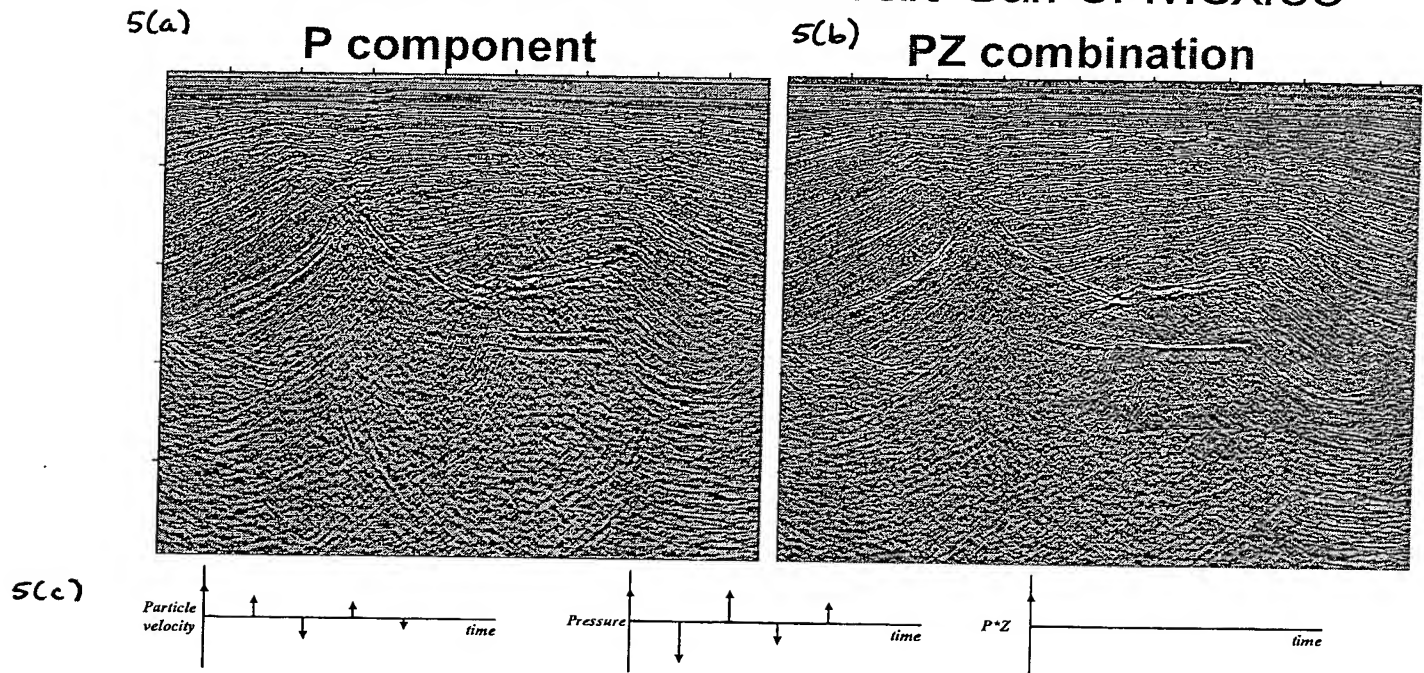
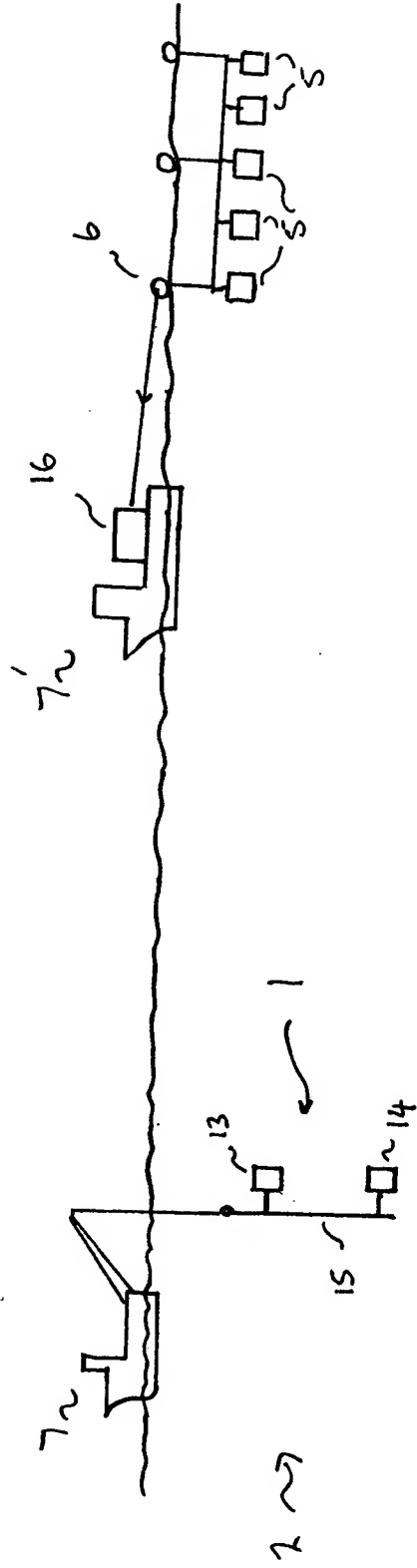
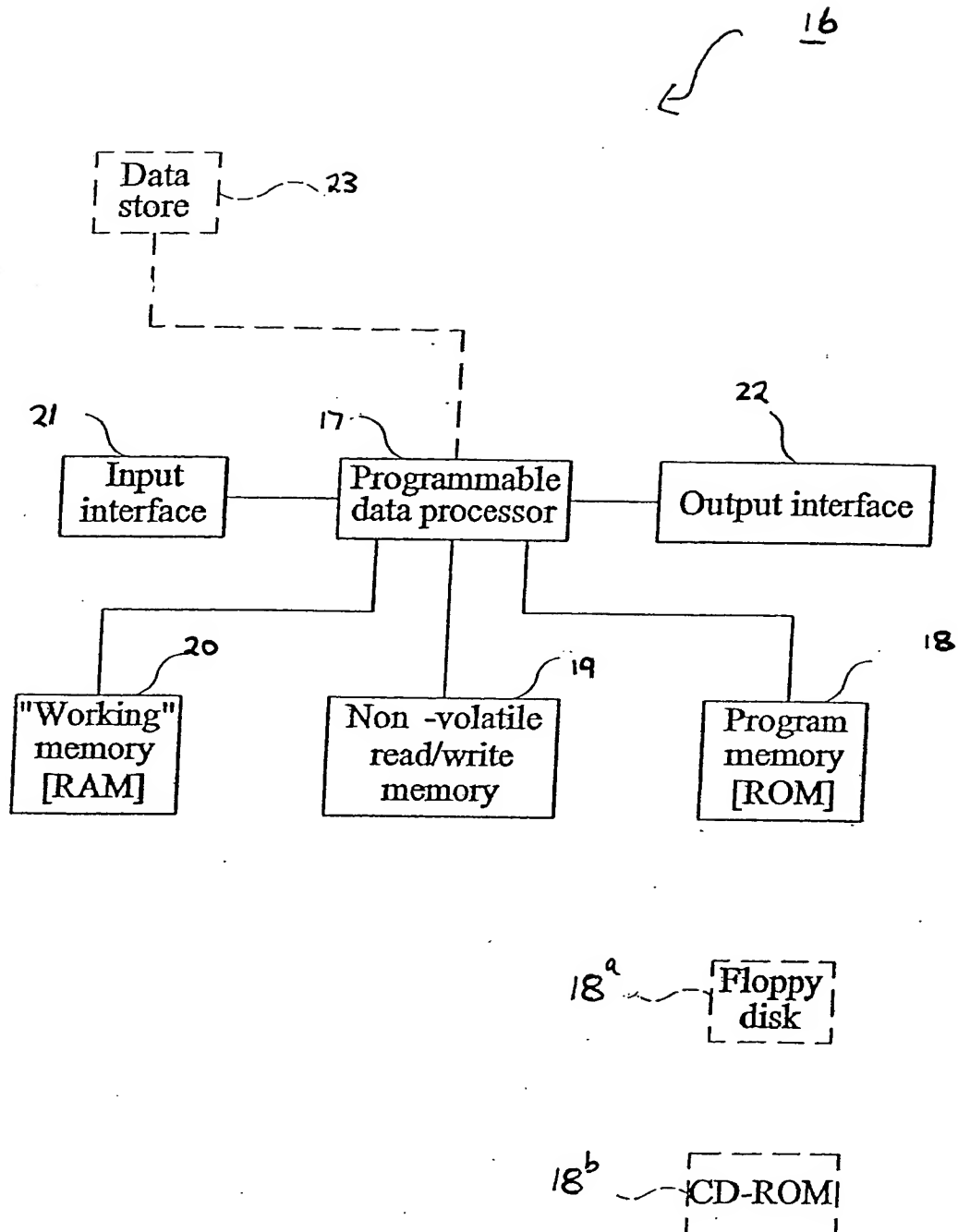


Figure 5(a) (left), Figure 5(b) (right) and Figure 5(c) (bottom)
 Vertical velocity (Z) and pressure (P) measurement combination to cancel down-going receiver ghost events from sea-floor seismic data. The right hand image is simpler to interpret after cancellation of receiver ghost events has removed reverberation. The source ghost events are still present and continue to distort the image of the sub-surface by giving a doublet shape to the seismic wavelet instead of the desired single spike.

Figure 6



FIG 7